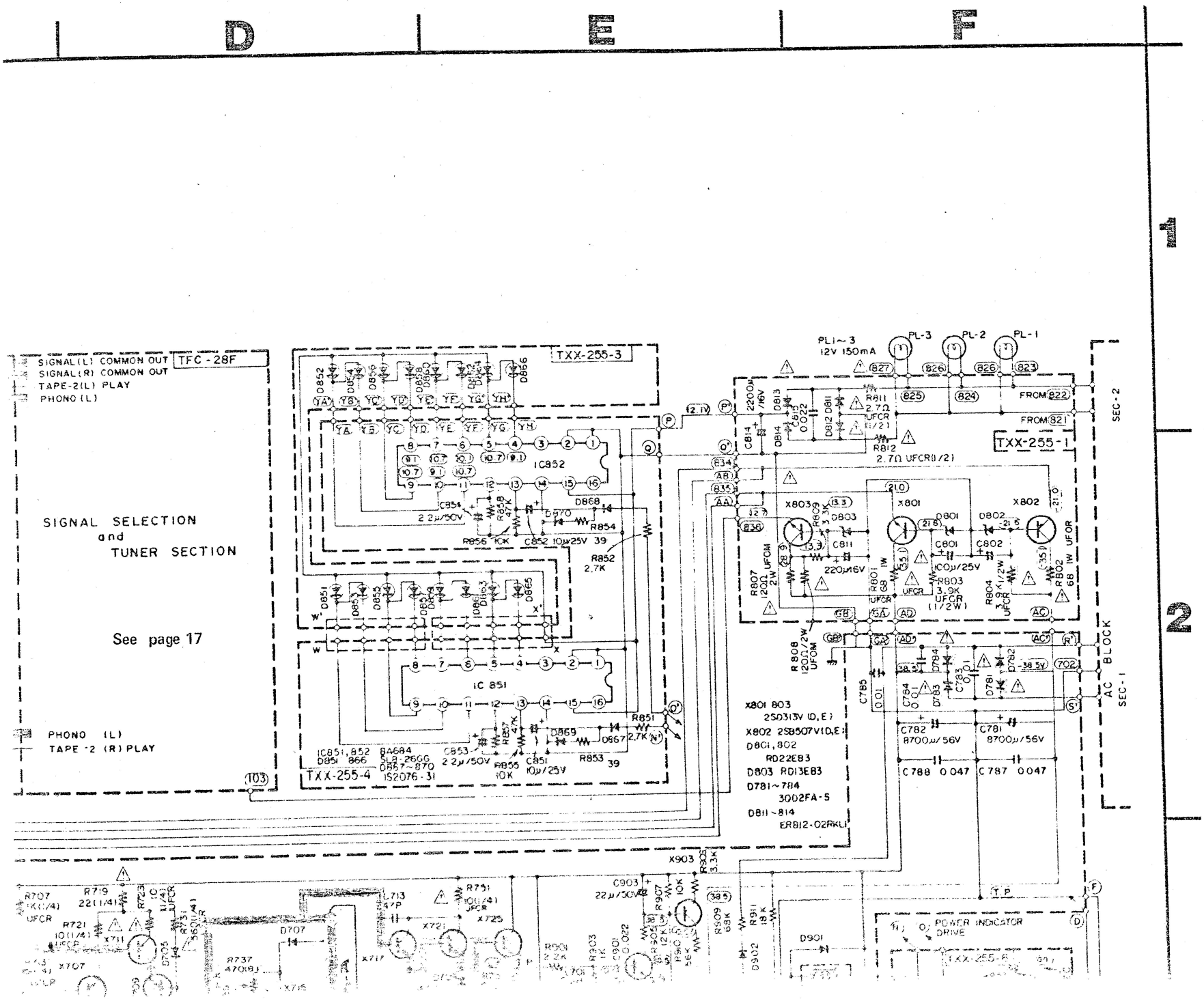
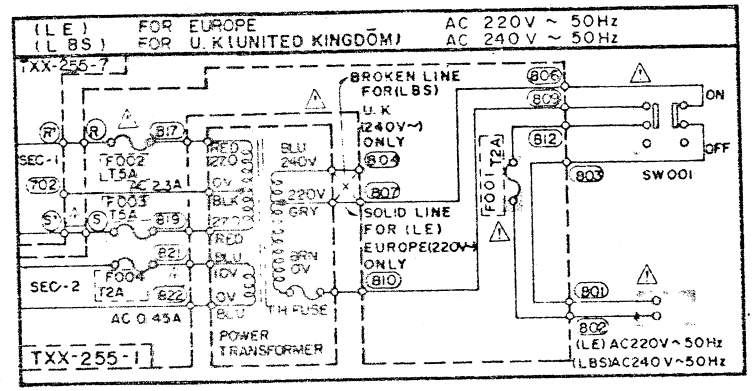
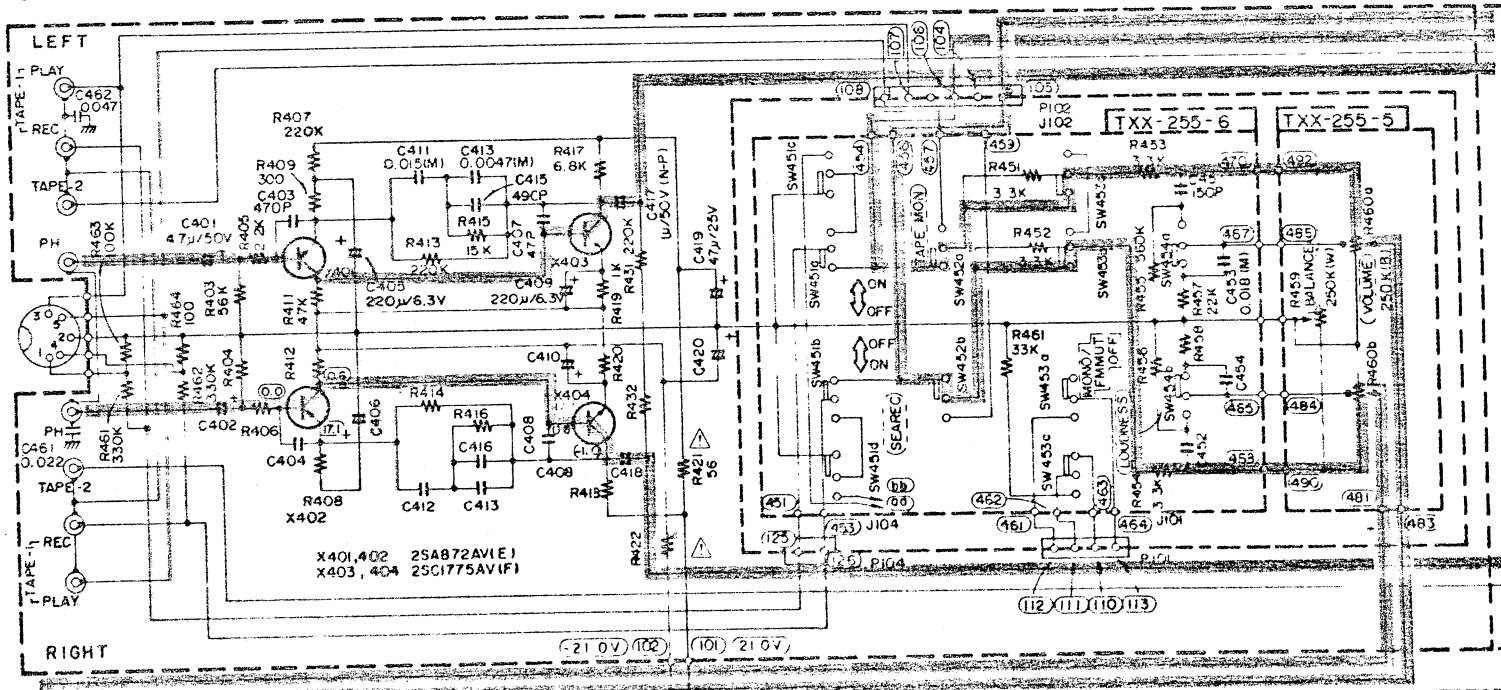
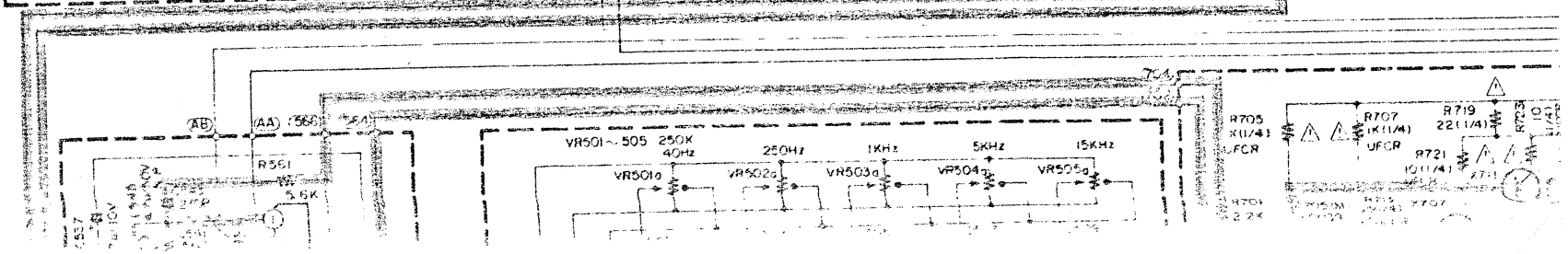
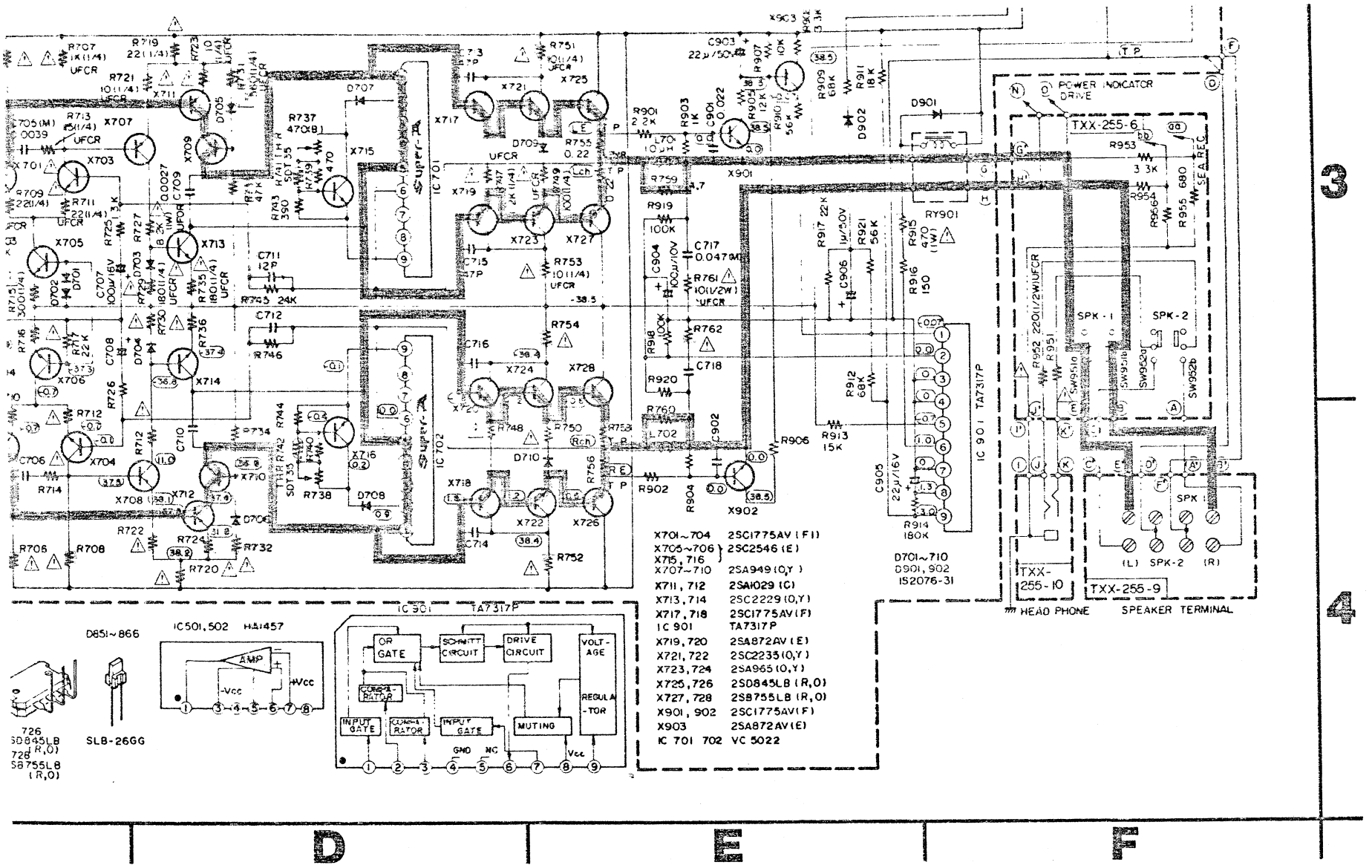

D
E
F
1
2
SIGNAL(L) COMMON OUT
SIGNAL(R) COMMON OUT
TAPE-2(L) PLAY
PHONO (L)
TFC-28F
SIGNAL SELECTION
and
TUNER SECTION
See page 17
PHONO (L)
TAPE-2 (R) PLAY
TXX-255-3
TXX-255-4
TXX-255-1
IC852
IC 851
IC851, 852 BA684
D851, 866 SLR-266G
D867~870 1S2076-31
X801 803 2SD313 (D, E)
X802 2SB507 (D, E)
D801, 802 RD22EB3
D803 RD13EB3
D781~784 3002FA-5
D811~814 ER812-02RKL
PL1~3 12V 150mA
PL-3
PL-2
PL-1
FROM 822
FROM 821
SEC-2
SEC-1
AC BLOCK
POWER INDICATOR DRIVE
T.P
X903

10. R-S33L Schematic Diagram

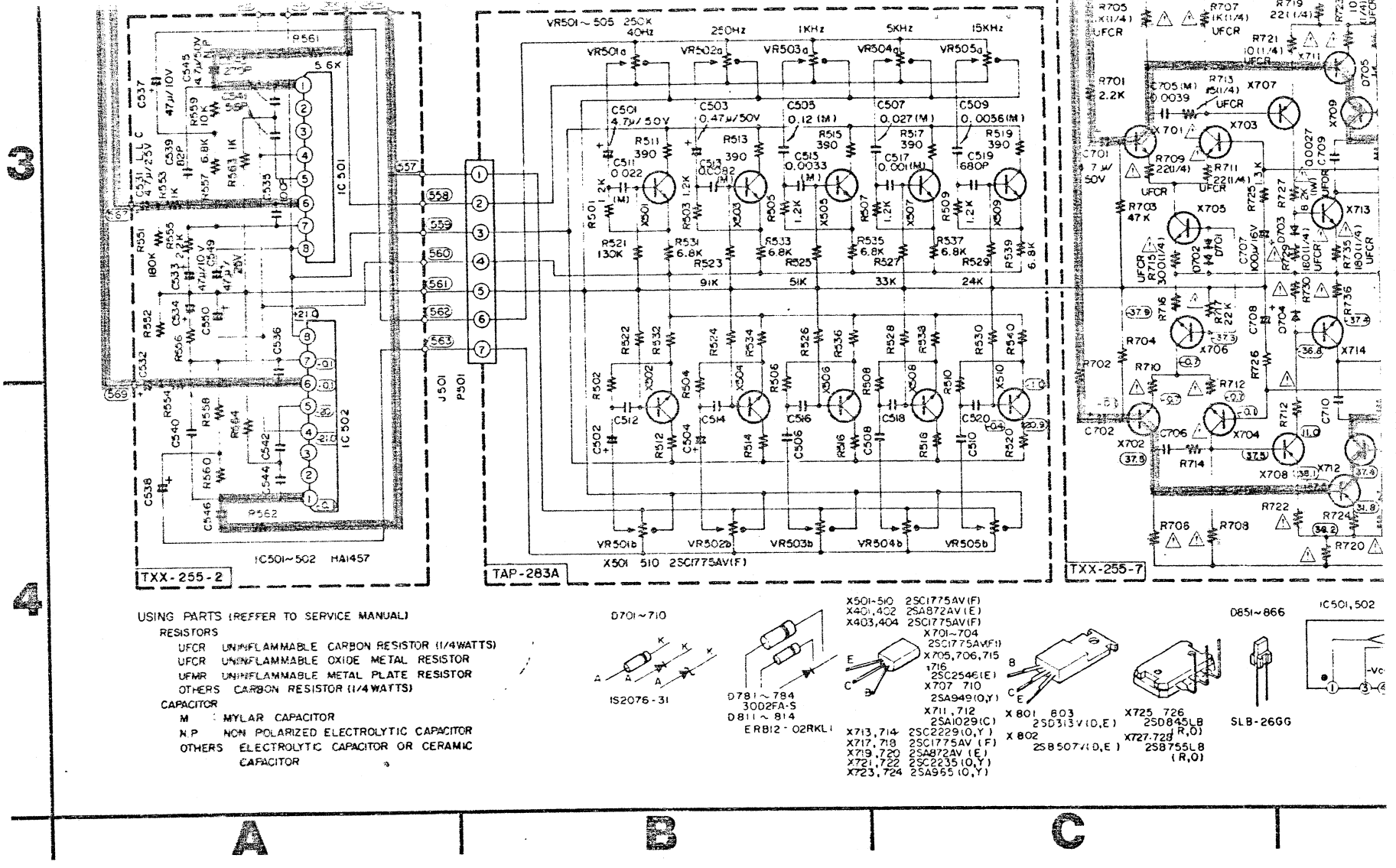








8. When replacing the parts in the darkened area ( ) and those marked with ⚠, be sure to use the designated parts to ensure safety.
9. Parts in red indicate transistors or ICs.
10. This is the standard circuit diagram.
    The design and contents are subject to change without notice.

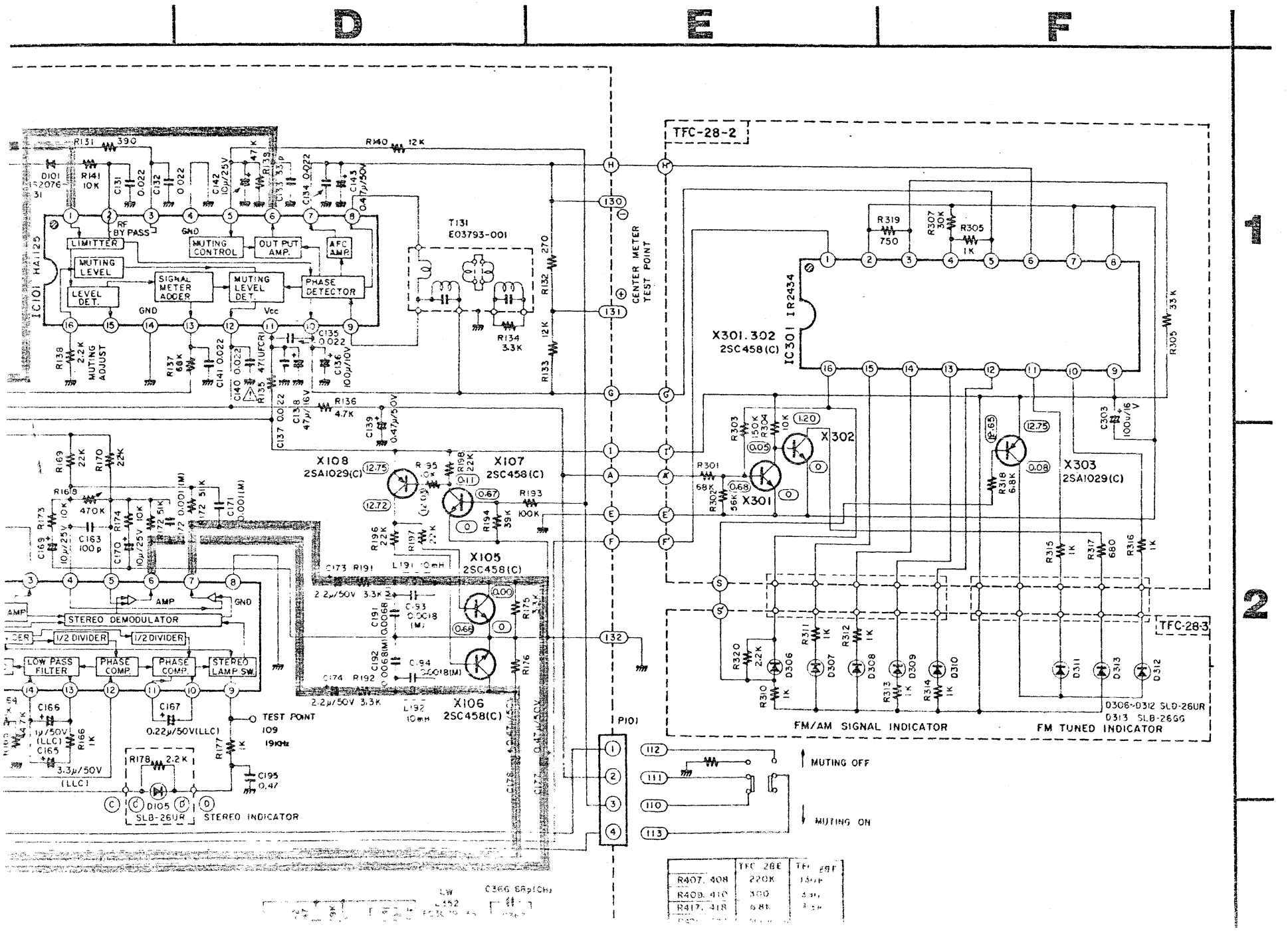


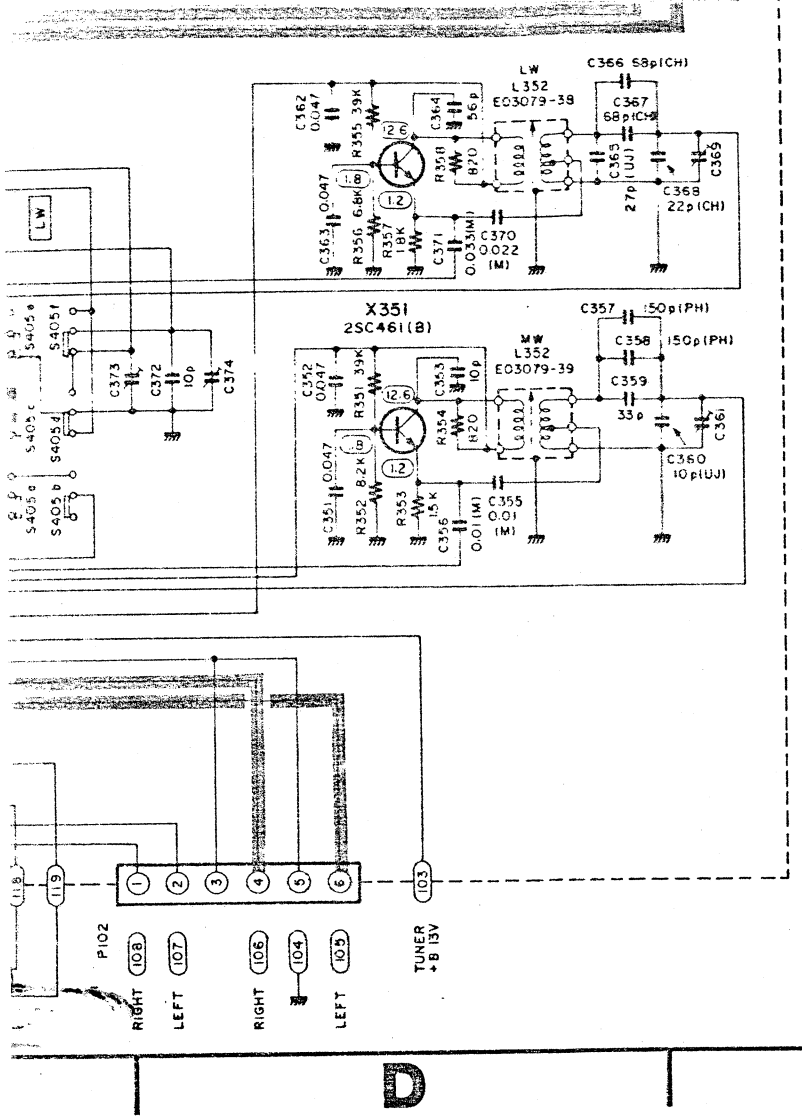
Printed Circuit Board Ass'y Locations

P.C. Board Ass'y	Description	Page
TFC-28E	FM/AM Tuner and Equalizer Amp. P.C. Board Ass'y	8
TXX-255	Main Amp., Power Supply and Other Functions Split P.C. Board Ass'y	11

Notes:

1. ☐ shows DC voltage to the chassis with no signal input.
2. * ☐ shows DC voltage to the chassis when 10 mV antenna input applied.
3. Voltage values in ☐ are positive.
4. Voltage values in ☐ are negative.
5. —— indicates positive B power supply.
6. —— indicates negative B power supply.
7. ▬ indicates signal path.
8. When r
those n
to ensu
9. Parts ir
10. This is
The de
notice.


D
E
F
1
2
TFC-28-2
TFC-28-3
IC101 HA1125
IC301 IR2434
X301.302 2SC458(C)
X301
X302
X303 2SA1029(C)
X105 2SC458(C)
X106 2SC458(C)
X107 2SC458(C)
X108 2SA1029(C)
T131 E03793-001
P101
LIMITTER
MUTING CONTROL
OUT PUT AMP.
AFC AMP.
MUTING LEVEL
SIGNAL METER ADDER
MUTING LEVEL DET.
PHASE DETECTOR
LEVEL DET.
RF BY PASS
MUTING ADJUST
CENTER METER TEST POINT
STEREO DEMODULATOR
1/2 DIVIDER
LOW PASS FILTER
PHASE COMP.
STEREO LAMP SW.
AMP
TEST POINT 109 19KHz
STEREO INDICATOR
SLB-26UR
FM/AM SIGNAL INDICATOR
FM TUNED INDICATOR
D306~D312 SLD-26UR
D313 SLB-266G
MUTING OFF
MUTING ON
TFC-28E
TFC-28F
R407, 408 220K
R409, 410 330
R417, 418 6.8K



	TFC-28E	TFC-28F
R407. 408	220K	130K
R409. 410	300	390
R417. 418	6.8K	3.3K
R421. 422	56(UFCR)	220
W116. 117	OPEN	SHORT
P104	YES	NO

VOLTAGE

THESE VOLTAGES ARE MEASURED WITH DC V.T. V.M. AT NON SIGNAL.

PIN NO.	HA11225 IC101	μPC1186C IC102	HA1197 IC103	TR2434 IC303
1	1.97	12.13	5.10	0
2	1.97	2.24	2.18	0
3	1.97	5.80	12.05	0.28
4	0	9.97	9.70	5.85
5	2.43	9.98	12.05	5.67
6	5.67	5.25	3.68	5.84
7	5.84	5.25	1.31	0
8	5.67	0	2.85	0
9	5.67	12.50	8.07	12.25
10	5.67	2.26	0	0.12
11	11.56	2.24	11.62	0.09
12	4.16	2.26	1.52	11.27
13	0	2.26	0.69	11.28
14	0	2.26	1.47	11.29
15	5.00	3.42	0	11.27
16	3.57	1.98	0.91	12.44

USING PARTS

o RESISTOR

UFCR : UNINFLAMABLE CARBON RESISTOR (1/4 WATTS)
OTHERS: CARBON RESISTOR (1/4 WATTS)

o CAPACITOR

LLC - LOW LEAKAGE CURRENT ELECTROLYTIC CAPACITOR
P.P : POLYPROPYLENE FILM CAPACITOR
M - MYLAR CAPACITOR
N.P - NON-POLARIZED ELECTROLYTIC CAPACITOR
OTHERS: ELECTROLYTIC CAPACITOR OR CERAMIC CAPACITOR

D E F

3 4

gnal input.

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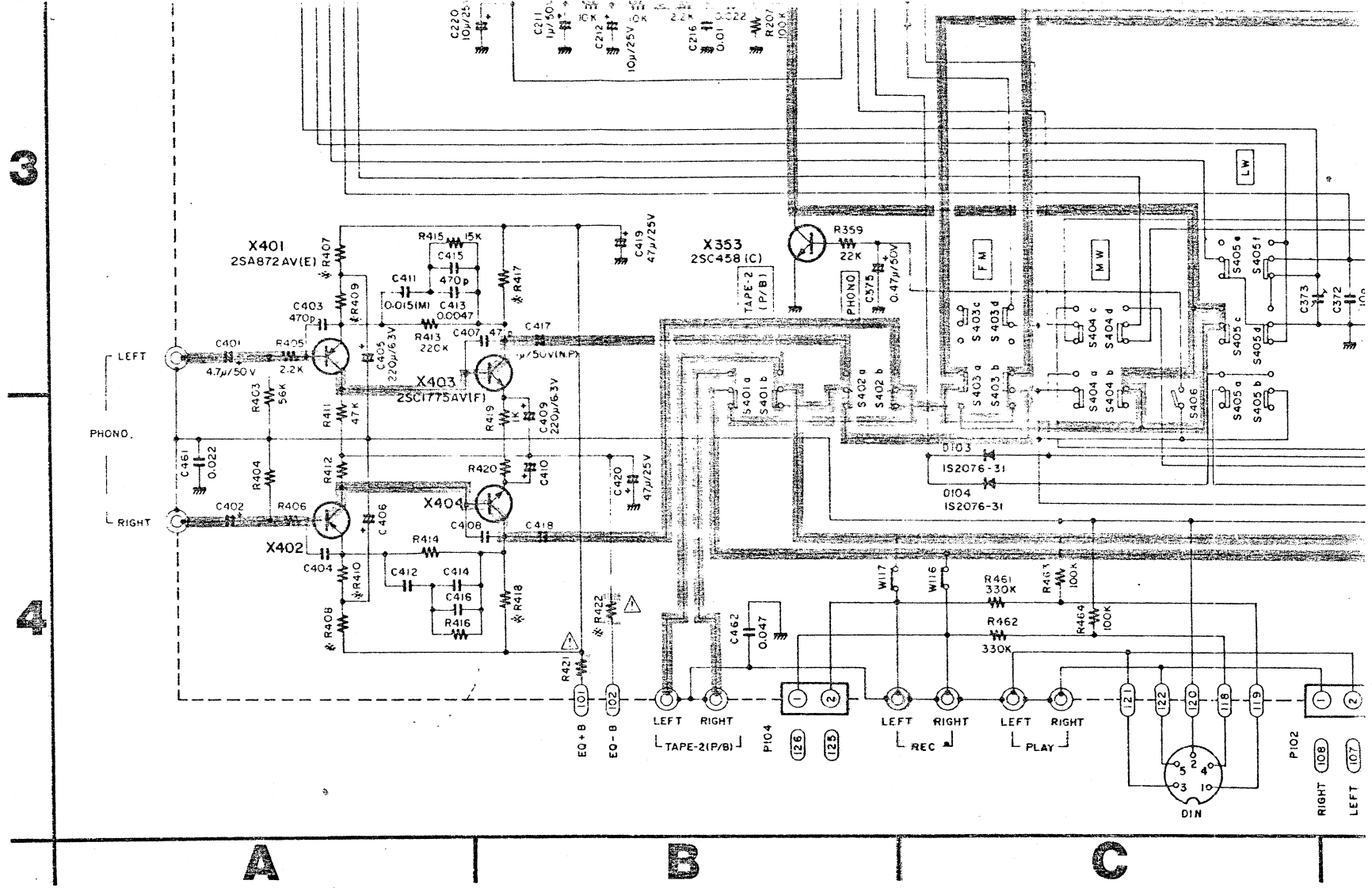
TFC-28-1



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8.
9.
10.